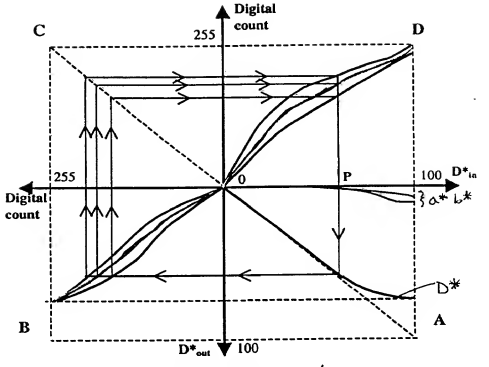

FIGURE 1

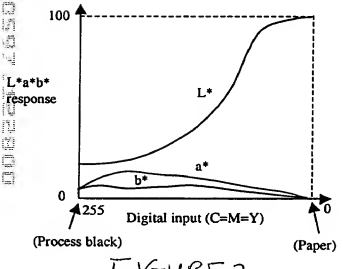

FIGURE 2

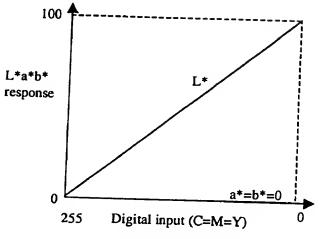

FIGURE 3

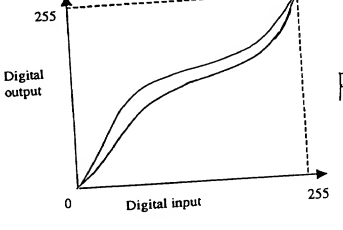

FIGURE 4

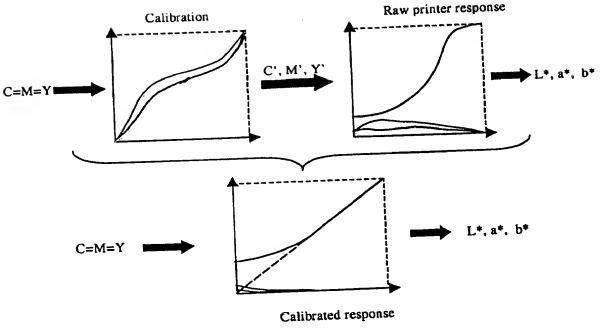

FIGURE 5

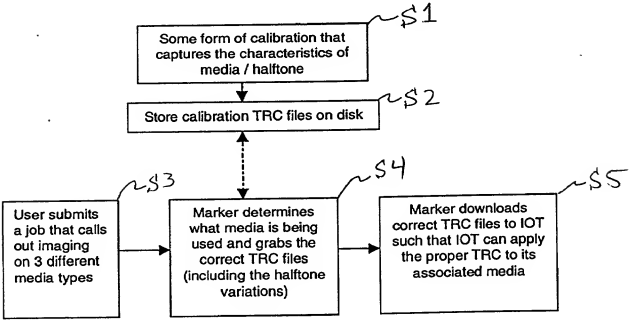

FIGURE 6

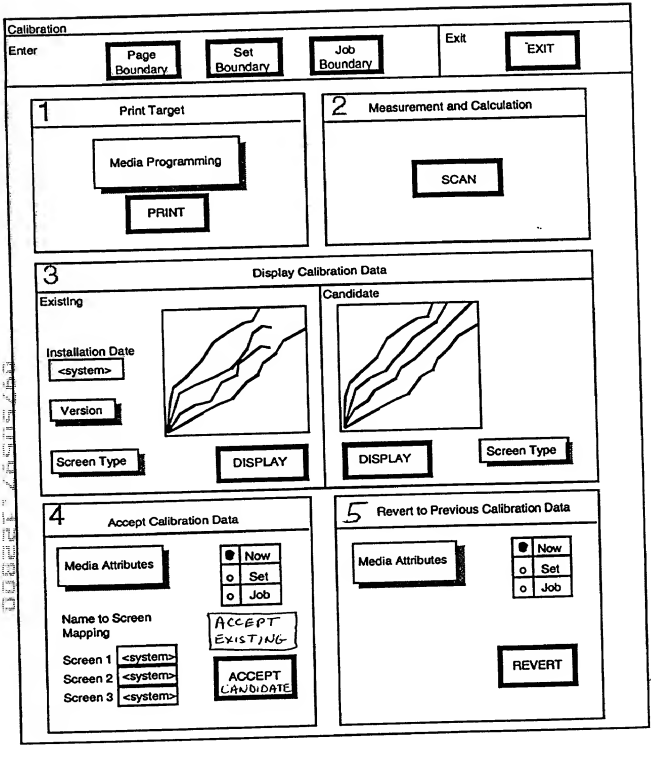
Calibration
Enter
Page Boundary
Set Boundary
Job Boundary
Exit
EXIT
1 Print Target
Media Programming
PRINT
2 Measurement and Calculation
SCAN
3 Display Calibration Data
Existing
Installation Date
<system>
Version
Screen Type
DISPLAY
Candidate
DISPLAY
Screen Type
4 Accept Calibration Data
Media Attributes
Now
Set
Job
Name to Screen Mapping
Screen 1 <system>
Screen 2 <system>
Screen 3 <system>
ACCEPT EXISTING
ACCEPT CANDIDATE
5 Revert to Previous Calibration Data
Media Attributes
Now
Set
Job
REVERT
10

FIGURE 7

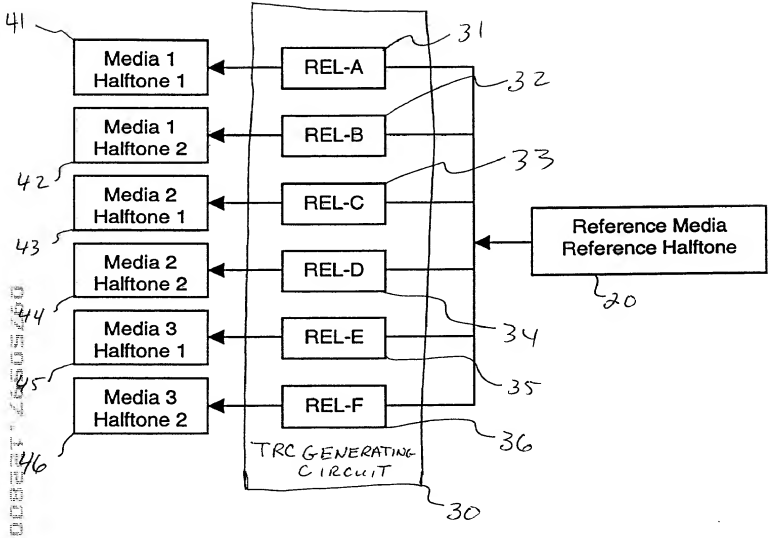
41
Media 1 Halftone 1
42
Media 1 Halftone 2
43
Media 2 Halftone 1
44
Media 2 Halftone 2
45
Media 3 Halftone 1
46
Media 3 Halftone 2
REL-A
REL-B
REL-C
REL-D
REL-E
REL-F
31
32
33
34
35
36
TRC GENERATING CIRCUIT
30
Reference Media Reference Halftone
20

FIGURE 8

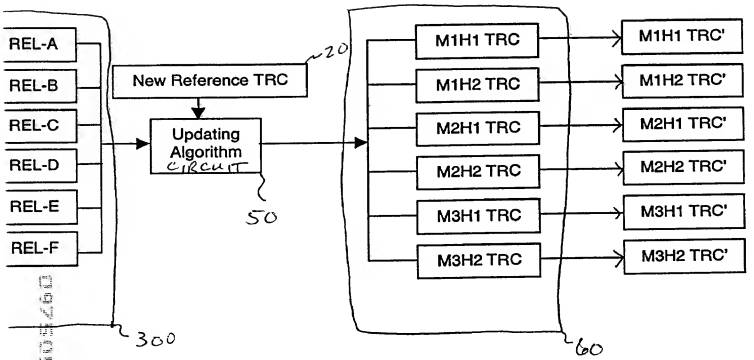
REL-A
REL-B
REL-C
REL-D
REL-E
REL-F
New Reference TRC
20
Updating Algorithm CIRCUIT
50
300
M1H1 TRC
M1H2 TRC
M2H1 TRC
M2H2 TRC
M3H1 TRC
M3H2 TRC
M1H1 TRC'
M1H2 TRC'
M2H1 TRC'
M2H2 TRC'
M3H1 TRC'
M3H2 TRC'
60

FIGURE 9

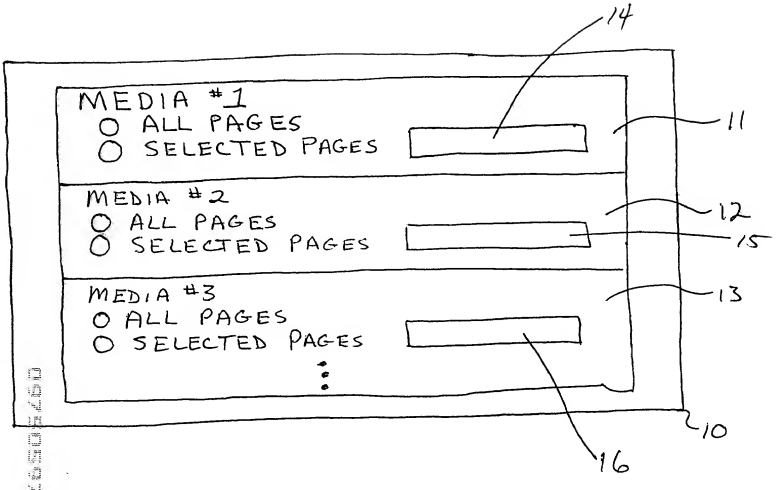
14
MEDIA #1
ALL PAGES
SELECTED PAGES
11
MEDIA #2
ALL PAGES
SELECTED PAGES
12
15
MEDIA #3
ALL PAGES
SELECTED PAGES
13
10
16

FIGURE 10

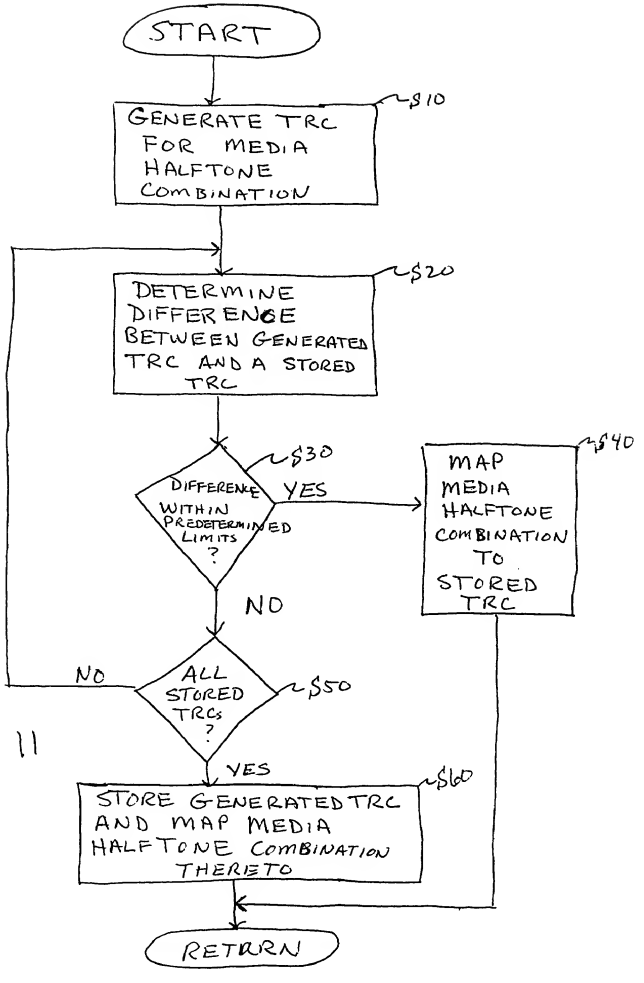
START
GENERATE TRC FOR MEDIA HALFTONE COMBINATION
S10
DETERMINE DIFFERENCE BETWEEN GENERATED TRC AND A STORED TRC
S20
DIFFERENCE WITHIN PREDETERMINED LIMITS ?
S30
YES
MAP MEDIA HALFTONE COMBINATION TO STORED TRC
S40
NO
ALL STORED TRCs ?
S50
NO
YES
STORE GENERATED TRC AND MAP MEDIA HALFTONE COMBINATION THERETO
S60
RETURN

FIGURE 11